

Title (en)  
CONSTANT VOLTAGE GENERATING CIRCUIT

Publication  
**EP 0440434 A3 19920115 (EN)**

Application  
**EP 91300695 A 19910130**

Priority  
JP 1898190 A 19900131

Abstract (en)  
[origin: EP0440434A2] A constant voltage generating circuit includes a first power supply line (VEE1) coupled to an external power supply line, at least one second power supply line (VEE2) having a voltage different from that of the first power supply line, a level shift circuit (LS) having at least one transistor (T11, T12) coupled between the first power supply line and the second power supply line, a resistor (R12) having one end connected to one (VEE2) of the first and second power supply lines and other end coupled to a base of a transistor (T12) provided at a final stage of the level shift circuit, and a current control circuit (CS) operatively connected between the other end of the resistor and another (VEE1) of the first and second power supply lines. The current control circuit suitably controls current flowing in the resistor. As a result, it is possible to continually feed a constant voltage irrespective of a fluctuation in temperature, power supply voltage, or the like. <IMAGE>

IPC 1-7  
**G05F 3/22**

IPC 8 full level  
**G05F 3/22** (2006.01)

CPC (source: EP KR US)  
**G05F 1/10** (2013.01 - KR); **G05F 3/22** (2013.01 - EP US); **G05F 3/227** (2013.01 - EP US)

Citation (search report)  
• [X] US 4453121 A 19840605 - NOUFER GLENN E [US]  
• [A] EP 0112443 A1 19840704 - IBM [US]  
• [A] IBM TECHNICAL DISCLOSURE BULLETIN. vol. 31, no. 2, July 1988, NEW YORK US pages 22 - 23; 'Integrated Voltage Regulator for an On-card +1.7 Volt Power Supply'  
• [A] IBM TECHNICAL DISCLOSURE BULLETIN. vol. 32, no. 2, July 1989, NEW YORK US pages 26 - 27; 'On-chip Reference Voltage Regulator'

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